

Name: _____

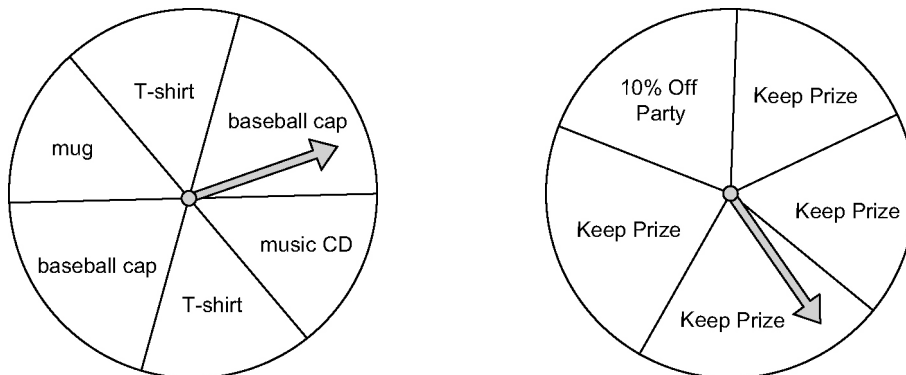
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How Much Should You Buy?

Materials

- paper clip
- BLM How Much Should You Buy? Tally Sheet

You be the business owner! You and your friend run a bowling alley. To increase business, you plan on offering birthday party specials. At each birthday party, the birthday child will get to spin two spinners like the ones shown.



Children who spin Keep Prize on the second spinner get to keep the prize they spin on the first spinner. Children who spin 10% Off Party get a discount on their party but don't get to keep the prize.

- Create your own spinners. On the first spinner, put prizes of your choice. On the second spinner, write Keep Prize or 10% Off Party. Each spinner should include no more than six sections.
- Use the spinners to conduct a probability experiment with 100 spins. Use **BLM How Much Should You Buy? Tally Sheet** to record your outcomes.
- You and your partner plan on having 100 birthday parties in the next six months. Use the results of your probability experiment to help answer the following questions. Show your work.
 - How many people do you expect to get 10% off their party costs?
 - How many of each prize should you order? If necessary, round your answer to the nearest whole number.